

Theater Forecast Unit Forecast Review

Date: 24 JUL 2000 **Time:** Modified E. Lake Baikal High **Forecaster:** Solberg/Lomack

Reason for review: Negative lead time on cig/vis advisory

Synoptic Situation

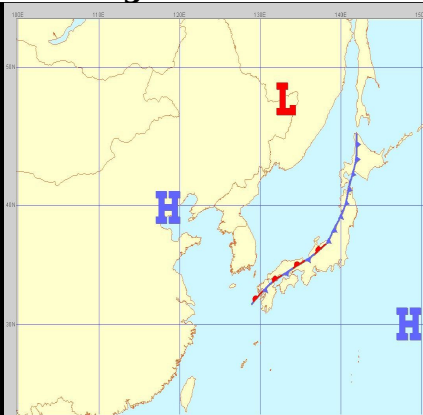
Include heights/pressures, isotherms, trofs, ridges, pressures/height centers and values



300 MB: 24 JULY /12 Z



500 MB: 24 JULY /12 Z



Surface: 24 JULY /12 Z

Initial Forecast Reasoning:

Analysis indicated moisture present in the lower levels with light westerly winds at Cp Humphreys. The forecast called for poor visibility throughout the night. 1 ½ miles was forecasted from 14-16Z and was holding steady as indicated on the 3803. Vis was forecasted to drop to a mile by 16Z. The observer at Cp Humphreys reported vis at 1455Z to be 1 ½ miles with no sector vis or tower remarks. At 1510Z the RKSG observer took the prevailing vis to 1/8 mile with a vertical visibility of 100 feet. No phone call was placed to myself or anyone else in the TFU before or after the special was taken. I noticed that the vis had dropped at 1520Z when I happened to glance at the RKSG AMIS. I immediately called the observer to inquire as to why I was not notified and the reason I was given was that the observer was new. I immediately amended the TAF and later issued the 500/1 advisory with a negative lead time.

Post Analysis

Include heights/pressures, isotherms, trofs, ridges, pressures/height centers and values



300 MB: 25 JULY /00 Z



500 MB: 25 JULY /00 Z



Surface: 25 JULY /00 Z

Post Analysis Reasoning:

After going back over the data, the forecast reasoning remains sound. The vis was forecasted to decrease and it did. The TAF should have been amended AFTER the advisory was issued and closer attention to the surrounding obs should have been paid. The lines of communication between the observer at Cp Humphreys and myself should have been open. Particular attention should have been paid to the vis at RKTm with a light northwesterly flow. -BGS

As noted, a newly trained observer was working dense fog for the first time and communication suffered as a result. Better attention could have been paid to surrounding ROKAF obs. Otherwise, a good metwatch was maintained. In retrospect, with NW flow a favorable direction for Humphreys, some additional thought may have been given to a more dense fog situation. However, the speed with which the vis came down would have been difficult at best to forecast. -- DL

Lessons Learned:

Closer attention should be paid to the surrounding obs and local effects. The TFU should be aware of the experience level of the duty observer and take that into consideration when issuing any product. The TFU forecaster should be aware of the order in which products are disseminated. In this case, the advisory should have been issued before the amendment. The forecaster should also be well aware of the desired lead time of all such products. Moreover, good communication between the TFU and the CWT is a MUST.

TFU Operations NCOIC:**OP Superintendent:****OP Chief:**